

Jing Su

List of Publications by Year in descending order

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papers

448
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759233

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31
all docs

31
docs citations

31
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Ultrathin Single-Crystalline Perovskite Photodetector. Nano Letters, 2020, 20, 7144-7151.	9.1	117
2	Growth of mixed-halide perovskite single crystals. CrystEngComm, 2018, 20, 1635-1643.	2.6	35
3	First-Principles Study on the Structure, Electronic, and Optical Properties of Cs ₂ AgBiBr _{6-x} Cl _x Mixed-Halide Double Perovskites. Journal of Physical Chemistry C, 2020, 124, 5371-5377.	3.1	34
4	Solution Growth and Performance Study of Cs ₂ AgBiBr ₆ Single Crystal. Crystal Research and Technology, 2020, 55, 1900222.	1.3	32
5	Structure, electronic and optical properties of CsPbX ₃ halide perovskite: A first-principles study. Journal of Alloys and Compounds, 2021, 862, 158442.	5.5	31
6	Molecular Engineering of the Lead Iodide Perovskite Surface: Case Study on Molecules with Pyridyl Groups. Journal of Physical Chemistry C, 2017, 121, 24612-24617.	3.1	20
7	Liquid-phase growth and optoelectronic properties of two-dimensional hybrid perovskites CH ₃ NH ₃ PbX ₃ (X = Cl, Br, I). Nanoscale, 2020, 12, 1100-1108.	5.6	20
8	Optical spectroscopy of Er:YSGG laser crystal. Journal of Luminescence, 2010, 130, 1546-1550.	3.1	18
9	Multiple-polarization-sensitive photodetector based on a perovskite metasurface. Optics Letters, 2022, 47, 565.	3.3	15
10	Investigation of germanium selenide electrodes for the integrated photo-rechargeable battery. International Journal of Energy Research, 2020, 44, 6015-6022.	4.5	14
11	Solution growth and morphology of CH ₃ NH ₃ PbBr ₃ single crystals in different solvents. Crystal Research and Technology, 2016, 51, 650-655.	1.3	13
12	Preparation, structure and optical properties of Pr:Gd ₂ O ₃ phosphor. Materials Letters, 2011, 65, 2852-2854.	2.6	12
13	Flexible perovskite nanosheet-based photodetectors for ultraviolet communication applications. Applied Physics Letters, 2021, 119, .	3.3	11
14	Growth and Properties of CH ₃ NH ₃ PbI ₃ Single Crystal. Crystal Research and Technology, 2017, 52, 1700171.	1.3	10
15	First-Principles Study on the Structure, Electronic and Optical Properties of Cs ₂ AgSb _x Bi _{1-x} Cl ₆ Double Perovskites. Journal of Physical Chemistry C, 2021, 125, 11271-11277.	3.1	10
16	Synthesis and characterization of nanocrystalline Nd ³⁺ -doped gadolinium scandium aluminum garnet powders by a gel-combustion method. Materials Research Bulletin, 2012, 47, 1709-1712.	5.2	8
17	Morphology, optical and photoelectric properties of CH ₃ NH ₃ PbBr ₃ single crystal. Physica B: Condensed Matter, 2019, 571, 307-311.	2.7	8
18	Preparation and up-conversion luminescence of YVO ₄ :Yb ³⁺ , Ln ³⁺ (Ln=Er, Tm, Ho) microrods. Journal of Materials Science: Materials in Electronics, 2015, 26, 6178-6181.	2.2	7

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19	Study on the visible-light photocatalytic performance of Ag ₃ PO ₄ /Cu ₂ O composite. Research on Chemical Intermediates, 2019, 45, 1207-1216.	2.7	7
20	Growth and spectral properties of Nd:GdVO ₄ laser crystal. Physica B: Condensed Matter, 2008, 403, 3002-3008.	2.7	6
21	Nondestructive functionalization of monolayer black phosphorus using Lewis acids: A first-principles study. Applied Surface Science, 2020, 518, 146210.	6.1	6
22	First-principles calculations of the structural, electronic and optical properties of Cs ₂ Ag _x Na _{1-x} InBr ₆ double perovskites. Chemical Physics, 2022, 559, 111520.	1.9	6
23	Study of gas detection based on integrated cavity output spectroscopy. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2013, 115, 298-305.	0.6	2
24	Enhanced Upconversion Luminescence of Erbium- ¹⁹ Nitrogen-Doped Zinc Oxide Nano-Wires by Implantation of Ytterbium Ions. Spectroscopy Letters, 2014, 47, 52-56.	1.0	2
25	Enhanced Photoluminescence Intensity of Silicon- ¹⁹ Germanium Nanoparticles: Silica Thin Films by Annealing in Forming Gas. Spectroscopy Letters, 2015, 48, 553-555.	1.0	2
26	Investigation of Phase Transformation and Optical Properties of TiO ₂ Thin Films Deposited by Electron Beam Evaporation. Advanced Materials Research, 2014, 941-944, 1279-1282.	0.3	1
27	Influence of Defects on the Young's Modulus of [110] Silicon Nanowires with Different Cross Sections. Key Engineering Materials, 2015, 645-646, 151-156.	0.4	1
28	Synthesis and spectral properties of Eu:YGO phosphors. Materials Letters, 2015, 153, 155-157.	2.6	0
29	Synthesis, Structure and Spectral Properties of Eu:YGO Phosphor Powders. Materials Science Forum, 2016, 852, 585-590.	0.3	0
30	Deposition and characterization of Zn ¹⁹ Sn ¹⁹ O (ZSO) thin films with novel optical properties. Physica Status Solidi (A) Applications and Materials Science, 0, , .	1.8	0